

Abstract:

Controllable piston valve and/or bottom valve for a shock absorber

A controllable piston valve for a shock absorber in a piston cylinder structure having the following features: A piston valve member controlling a throughflow area is actuated by a differential control piston. Oppositely directed effective surfaces of the control piston are subject to the pressure of the piston chamber and the annular chamber of the cylinder. The control piston and/or the piston valve member are additionally loaded with a pressure of a pressure source opposite to the larger of the effective surfaces, the pressure source being formed by a combination of a fluidic resistance and a fluidic capacitance and are supplied by the pressure in the piston chamber or the annular chamber of the piston cylinder structure.

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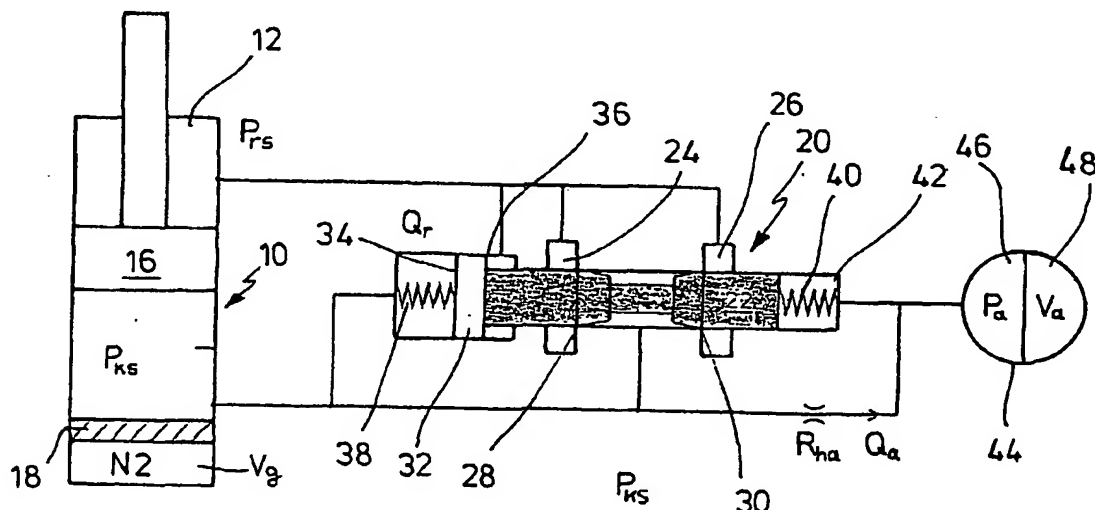
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[Fortsetzung auf der nächsten Seite]

(54) Title: **CONTROLLABLE PISTON VALVE AND/OR FLAP VALVE FOR A VIBRATION DAMPER**

(54) Bezeichnung: **STEUERBARES KOLBENVENTIL UND/ODER BODENVENTIL FÜR EINEN SCHWINGUNGSDÄMP-
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(57) Abstract: The invention relates to a controllable piston valve for a vibration damper in a piston/cylinder arrangement with the following features: a piston valve body which controls the flow cross-section, operated by a control piston embodied as a differential piston, the opposed working surfaces of which are pressurised with the pressure for the piston and annular chamber of the cylinder. The control piston and/or the piston valve body are additionally loaded against the greater effective surface with the pressure from a pressure source. The pressure is generated by the combination of a fluid resistance and a fluid capacity, which is supplied from the pressure in the piston or annular chamber of the cylinder.

[Fortsetzung auf der nächsten Seite]